



single walled carbon nanotube polymer electri

Search

[Advanced Scholar Search](#)
[Scholar Preferences](#)
[Scholar Help](#)

The "AND" operator is unnecessary -- we include all search terms by default. [\[details\]](#)

Scholar Results 1 - 10 of about 17 for single walled carbon nanotube polymer electrical conductivity and

Polymer Composites of Carbon Nanotubes Aligned by a Magnetic Field

T Kimura, H Ago, M Tobita, S Ohshima, M Kyotani, M ... - *Advanced Materials*, 2002 - doi.wiley.com
... a free-standing aligned sin- gle-walled carbon nanotube (SWNT) film ... from imperfect nanotube alignment and carbon impuri- ties ... 19 J for a single MWNT, assuming ...
[Cited by 3](#) - [Web Search](#)

[CITATION] Vapor-grown carbon fibers (VGCFs): basic properties and their battery applications
M Endo, YA Kim, T Hayashi, K Nishimura, T Matusita ... - *Carbon*, 2001
[Cited by 18](#) - [Web Search](#)

PROCESSING AND CHARACTERIZATION OF A CARBON NANOFIBER/VINYL-ESTER RESIN COMPOSITE

B McMorrow, R Chartoff, D Klosterman - *SAMPE 2003 Proceedings* - udri.udayton.edu
... enhanced mechanical, electrical, or thermal ... Processing of Carbon Nanotube/Polymer Composites," Chem ... Water-Solubilization of Single-Walled Carbon Nanotubes By ...
[Cited by 1](#) - [View as HTML](#) - [Web Search](#)

The morphology and thermal properties of multi-walled carbon nanotube and poly (hydroxybutyrate-co- ...

M Lai, J Li, J Yang, J Liu, X Tong, H Cheng - *Polymer International*, 2004 - doi.wiley.com
... posed of graphene sheets rolled into cylinders, and multi-walled nanotubes, which ... used because of their cost advantage over single-wall carbon nan- otubes ...
[Web Search](#) - [ingentaconnect.com](#) - [csa.com](#)

Application of Nanotechnology for high performance textiles

L Qian, JP Hinestroza - tx.ncsu.edu
... of nanofillers in polymer matrices through ... purest diamond, and electrical conductivity similar to ... are classified into single-walled carbon nanotube (SWNT) and ...
[Web Search](#)

Nanocomposite Fibers

G Students - ntcresearch.org
... forms including multi- and single-walled carbon nanotubes can ... that they produced SWNT (Single Wall NanoTubes ... Various Types of Carbon Nanotubes (after WETC Panel ...
[View as HTML](#) - [Web Search](#)

NANOFIBER TECHNOLOGY: Bridging the Gap between Nano and Macro World

FK Ko - NATO ASI on Nanoengineered Nanofibrous Materials, 2003 - drexel.edu
... produced from an electrospun PAN polymer solution and carbon nanotube reinforced PAN. ... frequencies or bands of the single walled carbon nanotubes (SWCNT ...
[Cited by 1](#) - [View as HTML](#) - [Web Search](#) - [drexel.edu](#)

INCORPORATING CARBON NANOTUBES INTO POLYPROPYLENE FIBERS

J ERICKSON - tx.ncsu.edu
... range from 50-100 microns [6]. Multi-walled carbon nanotube ... from 2-50 microns while single walled carbon nanotubes ... levels can cause the polymer's properties ...
[View as HTML](#) - [Web Search](#)

Nanocomposite Fibers

P Calvert, G Students, SK Mhetre, C Celik - ntcresearch.org

... These **single** nanoparticles would then be mixed into **polymer** ... in these two types of **carbon** particulate/**polymer** ... was placed into a small (thick **walled**) glass test ...

[View as HTML](#) - [Web Search](#) - ntcresearch.org

THERMAL CONDUCTIVITY AND COEFFICIENTS OF THERMAL EXPANSION OF SWNTS/EPOXY NANOCOMPOSITES

P Gonnet - etd.lib.fsu.edu

... 1991 by Sumio Iijima [1], **carbon** nanotubes have ... measured many times, especially for **single-walled nanotube** (SWNT ... their excellent **electrical** and thermal properties ...

[View as HTML](#) - [Web Search](#)

Google ►

Result Page: 1 2 [Next](#)

single walled carbon nanotube polyn

[Google Home](#) - [About Google](#) - [About Google Scholar](#)

©2005 Google



single walled carbon nanotube polymer electri

Search

[Advanced Scholar Search](#)
[Scholar Preferences](#)
[Scholar Help](#)

The "AND" operator is unnecessary -- we include all search terms by default. [\[details\]](#)

Scholar Results 11 - 17 of 17 for **single walled carbon nanotube polymer electrical conductivity and poly**

Macrofragmentation and microfragmentation phenomena in composite materials

HD Wagner, O Lourie, XF Zhou - Composites: Part A, 1999 - weizmann.ac.il

... compressive fragmentation of thin-walled carbon nanotubes in a ... toughness evaluation from the single-fiber fragmentation ... C, Trauth D. Aligned carbon nano- tube ...

Cited by 1 - [View as HTML](#) - [Web Search](#) - [ingentaconnect.com](#) - [csa.com](#) - [all 4 versions](#) »

Template-based synthesis of nanomaterials

A Huczko - order - [springerlink.com](#)

... The nanostructure of GaN (a single crystal with fewer ... a membrane yielding extremely thin-walled (about 20 nm ... illustrate the formation process of carbon tubes by ...

Cited by 28 - [Web Search](#) - [dvo.ru](#) - [dns.ntu-ccms.ntu.edu.tw](#) - [adsabs.harvard.edu](#)

SUMANTH BANDA

V Richmond - [etd.vcu.edu](#)

... Characterization of Aligned Carbon Nanotube/Polymer Composites ... where the walls of the tubes are hexagonal carbon and ... CNTs are either single walled nanotubes ...

[View as HTML](#) - [Web Search](#)

8: 30 AM* KK1.

S KK, DIN MODELING, OFPM OF - [lucy.mrs.org](#)

... cant dipolar interactions with single-domain nanoparticles ... class of uoropolymer - carbon nanotube blends for ... precursor, and multi-walled carbon nanotubes (MWNTs ...

[View as HTML](#) - [Web Search](#) - [mrs.org](#)

FEATURE ARTICLE

JC Hulteen, CR Martin - J. Mater. Chem, 1997 - [pubs.rsc.org](#)

... produce thin-walled tubules, thick-walled tubules or solid ... As noted, the carbon-PAN-Au composites were prepared ... 15(B) assumes a single 100 nm diameter disk ...

Cited by 3 - [Web Search](#)

The 2004 NNIN REU Research Accomplishments

RL Alley, M Anito, A Arias, N Bagga, N Bastianon, ... - [nnf.cornell.edu](#)

... Alexander: Spectroscopic Imaging of Single-Walled Carbon Nanotubes by ... Quantum Computing via Single Charges in ... Introduction: Carbon nanotubes are excellent one ...

[View as HTML](#) - [Web Search](#) - [cnf.cornell.edu](#)

Finite element analysis and simulation of polymers-an addendum: a bibliography(1996-2002).

J Mackerle - Modelling and Simulation in Materials Science and ..., 2003 - [iop.org](#)

... study on the performance of three single-screw elements in ... thin films on silicon and carbon surfaces High ... M et al 2002 Numerical analysis of polymer melt flow ...

[Web Search](#) - [ingentaconnect.com](#) - [adsabs.harvard.edu](#) - [csa.com](#) - [all 6 versions](#) »



Result Page: [Previous](#) 1 2



single walled carbon nanotube polymer electri

Search

[Advanced Scholar Search](#)
[Scholar Preferences](#)
[Scholar Help](#)

The "AND" operator is unnecessary -- we include all search terms by default. [\[details\]](#)

Scholar Results 1 - 5 of 5 for single walled carbon nanotube polymer electrical conductivity and polyest

Nanocomposite Fibers

G Students - ntcresearch.org

... forms including multi- and **single-walled carbon** nanotubes can ... that they produced SWNT (**Single** Wall NanoTubes ... Various Types of **Carbon** Nanotubes (after WETC Panel ...

[View as HTML](#) - [Web Search](#)

SUMANTH BANDA

V Richmond - etd.vcu.edu

... Characterization of Aligned **Carbon Nanotube/Polymer** Composites ... where the walls of the tubes are hexagonal **carbon** and ... CNTs are either **single walled** nanotubes ...

[View as HTML](#) - [Web Search](#)

8: 30 AM* KK1.

S KK, DIN MODELING, OFPM OF - lucy.mrs.org

... cant dipolar interactions with **single**-domain nanoparticles ... class of uoropolymer - **carbon nanotube** blends for ... precursor, and multi-walled **carbon** nanotubes (MWNTs ...

[View as HTML](#) - [Web Search](#) - [mrs.org](#)

Finite element analysis and simulation of polymers-an addendum: a bibliography(1996-2002).

J Mackerle - Modelling and Simulation in Materials Science and ..., 2003 - iop.org

... study on the performance of three **single**-screw elements in ... thin films on silicon and **carbon** surfaces High ... M et al 2002 Numerical analysis of **polymer** melt flow ...

[Web Search](#) - [ingentaconnect.com](#) - [adsabs.harvard.edu](#) - [csa.com](#) - [all 6 versions »](#)

The 2004 NNIN REU Research Accomplishments

RL Alley, M Anito, A Arias, N Bagga, N Bastianon, ... - nnf.cornell.edu

... Alexander: Spectroscopic Imaging of **Single-Walled Carbon** Nanotubes by ... Quantum Computing via **Single** Charges in ... Introduction: **Carbon** nanotubes are excellent one ...

[View as HTML](#) - [Web Search](#) - [cnf.cornell.edu](#)

single walled carbon nanotube polyn

Search

[Google Home](#) - [About Google](#) - [About Google Scholar](#)

©2005 Google



single walled carbon nanotube polymer electri

Search

[Advanced Scholar Search](#)
[Scholar Preferences](#)
[Scholar Help](#)

Scholar Results 1 - 10 of about 446 for **single walled carbon nanotube polymer electrical conductivity**. (0

Single-walled carbon nanotube--polymer composites: electrical, optical and structural investigation

E Kymakis, I Alexandou, G Amaratunga - Synthetic Metals(Switzerland), 2002 - csa.com
 ... study on the interaction between **single-walled carbon** nanotubes (SWNTs ... of SWNTs embedded in the **polymer** matrix were ... by drop casting of the **nanotube**/P3OT mixture ...
 Cited by 21 - [Web Search](#)

Preparation and Properties of Polymer-Wrapped Single-Walled Carbon Nanotubes

A Star, JF Stoddart, D Steuerman, M Diehl, A ... - Angewandte Chemie International Edition, 2001 - doi.wiley.com

... Since the discovery [1] of **single-walled carbon** nanotubes (SWNTs ... constitute a form of **carbon** with potential ... and electronic measurements of **single**, isolated SWNT ...
 Cited by 41 - [Web Search](#) - [doi.wiley.com](#) - [ncbi.nlm.nih.gov](#)

Carbon Nanotube Actuators

RH Baughman, C Cui, AA Zakhidov, Z Iqbal, JN ... - Science, 1999 - sciencemag.org
 ... for a polyaniline conducting **polymer** actuator (3 ... and a four-point probe **electrical conductivity** of ~5000 S ... Synthesis of Long **Single-Walled Carbon Nanotube** Strands ...
 Cited by 150 - [Web Search](#) - [dx.doi.org](#) - [adsabs.harvard.edu](#) - [ncbi.nlm.nih.gov](#) - [all 5 versions](#) »

Nanotube composites- A recipe for strength

P Calvert - Nature, 1999 - nature.com
 ... In principle, the preference is to use **single-walled** tubes for ... because the inner layers of multi-**walled** tubes probably ... by exposing edges of the **carbon** planes. ...
 Cited by 33 - [Web Search](#) - [csa.com](#)

[CITATION] Dynamic mechanical behavior of melt-processed multi-walled carbon nanotube/poly (methyl methacrylate) ...

Z Jin, KP Pramoda, G Xu, SH Goh - Chemical Physics Letters, 2001
 Cited by 31 - [Web Search](#)

Functionalization of Single-Walled Carbon Nanotubes

A Hirsch - Angewandte Chemie International Edition, 2002 - doi.wiley.com
 ... of the functionalization of **single- walled carbon** nanotubes demonstrate ... macroscopic quantities of this **carbon** allotrope has ... quality of the **nanotube** raw material ...
 Cited by 32 - [Web Search](#)

Single-wall carbon nanotubes as attractive toughening agents in alumina-based nanocomposites

GD Zhan, JD Kuntz, J Wan, AK Mukherjee - Nature Materials, 2003 - nature.com
 ... & Rubio,A.**Single-walled carbon nanotube--polymer** composites: strength ... Fabrication of aluminum-**carbon nanotube** composites and their **electrical** properties ...
 Cited by 23 - [Web Search](#) - [bbs.sjtu.edu.cn](#) - [ncbi.nlm.nih.gov](#) - [csa.com](#) - [all 6 versions](#) »

Advances in the science and technology of carbon nanotubes and their composites: a review

ET Thostenson, Z Ren, TW Chou - Composites Science and Technology, 2001 - tam.uiuc.edu
 ... constrained geometry of a multi-**walled nanotube** could produce an ... to that for a **single** unit cell ... in the direct characterization of **carbon** nanotubes, theoretical ...

[Cited by 88](#) - [View as HTML](#) - [Web Search](#) - [min.uc.edu](#) - [physics.bc.edu](#) - [all 8 versions »](#)

CARBON NANOTUBE–METAL–OXIDE NANOCOMPOSITES: MICROSTRUCTURE, ELECTRICAL CONDUCTIVITY AND ...

A ROUSSET - Acta mater, 2000 - w3.ldv.univ-montp2.fr

... powders, in which the **carbon** nanotubes, mostly **single** or double-walled, are very ...

Page 2. 3804 FLAHAUT et al.: **CARBON NANOTUBE–METAL–OXIDE NANOCOMPOSITES ...**

[Cited by 34](#) - [View as HTML](#) - [Web Search](#) - [w3.lcvn.univ-montp2.fr](#) - [atmsp.whut.edu.cn](#) - [ldv.univ-montp2.fr](#)

... single-walled carbon nanotube/poly (methyl methacrylate) composites and their modulus, electrical ...

F Du, JE Fischer, KI Winey - Journal of **Polymer** Science, Part B, **Polymer** Physics, 2003 - doi.wiley.com

... nanotubes (SWNTs) in a **polymer** matrix was ... The **electrical conductivity** of a 2 wt %

SWNT ... 3338, 2003 Keywords: **single-walled carbon nanotube** (SWNT); thermoplastic ...

[Cited by 4](#) - [Web Search](#) - [csa.com](#)

Google ►

Result Page: [1](#) [2](#) [3](#) [4](#) [5](#) [6](#) [7](#) [8](#) [9](#) [10](#) [Next](#)

single walled carbon nanotube polyr

[Google Home](#) - [About Google](#) - [About Google Scholar](#)

©2005 Google